

Title (en)

ACTUATING DEVICE FOR ACTUATING A ROTARY SLIDE VALVE

Title (de)

ANTRIEBSVORRICHTUNG ZUM BETÄTIGEN EINES DREHSCHIEBERS

Title (fr)

DISPOSITIF D'ENTRAÎNEMENT PERMETTANT D'ACTIONNER UNE SOUPAPE À BOISSEAU

Publication

EP 3913267 B1 20240904 (DE)

Application

EP 21168152 A 20210413

Priority

DE 202020102417 U 20200430

Abstract (en)

[origin: CN113586787A] The invention relates to a drive device (100). The invention relates to a drive device for activating a rotary slide for a fluid system of an at least partially electrically powered motor vehicle. The drive device (100) includes: an electric motor (110) having a motor output shaft (112); a rotary slide output shaft (140) configured for activating a rotary slide, wherein the rotary slide output shaft (140) is oriented orthogonally to the motor output shaft (112) and a magnet (142) is provided on an end region (141) of the rotary slide output shaft (140); and a sensor unit (152) configured to detect a rotational position of the magnet (142), and thus a rotational position of the rotary slider output shaft (140).

IPC 8 full level

F16K 31/04 (2006.01); **F16K 31/53** (2006.01); **F16K 37/00** (2006.01); **F16H 1/20** (2006.01); **F16H 37/04** (2006.01); **F16H 57/02** (2012.01); **F16H 57/029** (2012.01); **F16H 57/038** (2012.01); **F16H 57/039** (2012.01)

CPC (source: CN EP KR US)

F01P 7/14 (2013.01 - KR); **F16H 1/20** (2013.01 - KR); **F16H 1/222** (2013.01 - CN); **F16H 37/04** (2013.01 - KR); **F16H 57/021** (2013.01 - KR); **F16H 57/023** (2013.01 - CN KR); **F16H 57/029** (2013.01 - CN); **F16K 3/30** (2013.01 - US); **F16K 31/04** (2013.01 - KR); **F16K 31/041** (2013.01 - EP); **F16K 31/046** (2013.01 - US); **F16K 31/047** (2013.01 - CN US); **F16K 31/52** (2013.01 - KR); **F16K 31/53** (2013.01 - CN US); **F16K 31/535** (2013.01 - EP); **F16K 37/0033** (2013.01 - EP); **F16K 37/0041** (2013.01 - EP US); **F16K 37/0083** (2013.01 - CN); **F01P 2007/146** (2013.01 - KR); **F16H 1/20** (2013.01 - EP); **F16H 37/041** (2013.01 - EP); **F16H 57/029** (2013.01 - EP); **F16H 57/038** (2013.01 - EP); **F16H 57/039** (2013.01 - EP); **F16H 2057/02034** (2013.01 - EP); **F16H 2057/02082** (2013.01 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

DE 202020102417 U1 20200610; CN 113586787 A 20211102; CN 113586787 B 20230922; EP 3913267 A1 20211124; EP 3913267 B1 20240904; KR 102476910 B1 20221212; KR 20210134501 A 20211110; US 11879563 B2 20240123; US 2021341072 A1 20211104

DOCDB simple family (application)

DE 202020102417 U 20200430; CN 202110473770 A 20210429; EP 21168152 A 20210413; KR 20210050864 A 20210420; US 202117245513 A 20210430